

Table 11

Common Database Management Systems for the Individual User

Feature	Access 2013	MySQL 5.7	Oracle XE 11g	PostgreSQL 9.4	SQL Server Express 2014
Catalog tables	No	Yes	Yes	Yes	Yes
Data Definition Language (DDL)	Yes	Yes	Yes	Yes	Yes
Data Manipulation Language (DML)	Yes	Yes	Yes	Yes	Yes
Data Control Language (DCL)	No ^a	Yes	Yes	Yes	Yes
Concurrent users	Yes (limited) ^b	Yes	Yes	Yes	Yes (limited)
Aggregate functions	Yes	Yes	Yes	Yes	Yes
Structured query language (SQL) interface	Built-in	MySQL Workbench—universal	SQL Developer—universal	pgAdminIII—universal	SQL Server Management Studio Express—Windows
SQL profiling	Basic ^c	Yes	Yes	Yes	Yes
Maximum file size	None	16 TB	None	32 TB	None
Maximum database size	2 GB	64 PB	11 GB	Unlimited	10 GB
Supported operating systems ^d	Windows	Windows, Linux, Mac	Windows, Linux	Windows, Linux, Mac	Windows
License	Commercial; generally provided to students	Free Community Edition—GPL	Free (1 GB of RAM and 1 CPU)	Free—PostgreSQL License	Free (1 GB of RAM, 1 socket, and 4 cores max)

^a As of Access 2010, user-level security has been removed.

^b Without a database server or SharePoint site, users can simultaneously access a file via a shared folder.

^c Requires the user to add a Windows registry key; therefore, this feature is only available with a local installation.

^d Indicates native support for an operating system. It might be possible to use a virtual machine (e.g., VirtualBox), compatibility software (e.g., Wine), or a college/university-supported virtual computing environment to run the tool on an unsupported operating system.

Sources:

Microsoft Corporation. “Database Software and Applications | Microsoft Access.” Available at <https://products.office.com/en-us/access> (accessed October 1, 2015).

Microsoft Corporation. “JETSHOWPLAN in Access 2013.” Available at <https://social.msdn.microsoft.com/Forums/office/en-US/b786a029-fa8c-4556-a40c-e749ba73499e/jetshowplan-in-access2013> (accessed October 1, 2015).

Microsoft Corporation. “Microsoft SQL Server Express Edition.” Available at <https://www.microsoft.com/en-us/server-cloud/products/sql-server-editions/sql-server-express.aspx> (accessed October 1, 2015).

Microsoft Corporation. “Ways to Share an Access Database.” Available at <https://support.office.com/en-za/article/Ways-to-share-an-Access-database-b7f250cc-5413-4fc4-a54a-8e2b54db252c> (accessed October 1, 2015).

Microsoft Corporation. “What Happened to User-Level Security?” Available at <https://support.office.com/en-au/article/What-happened-to-user-level-security--828a8be1-a9cd-463c-a07f-22d5abf78659?ui=en-US&rs=en-AU&ad=AU> (accessed October 1, 2015).

Oracle Corporation. “MySQL.” Available at <http://www.mysql.com/> (accessed October 1, 2015).

Oracle Corporation. “Oracle Database Express.” Available at <http://www.oracle.com/technetwork/database/database-technologies/express-edition/overview/index.html> (accessed October 1, 2015).

Oracle Corporation. “Oracle VM VirtualBox.” Available at <https://www.virtualbox.org/> (accessed October 1, 2015).

PostgreSQL Global Development Group. “PostgreSQL.” Available at <http://www.postgresql.org/> (accessed October 1, 2015).

“WINE HG.” Available at <https://www.winehq.org/> (accessed October 1, 2015).